

In the Claims

This listing of claims will replace all prior versions of listed claims:

- 1-24. (Canceled)
25. (Previously Presented) An isolated antibody or fragment thereof that specifically binds to a protein selected from the group consisting of:
- (a) a protein consisting of amino acid residues 1 to 182 of SEQ ID NO:114;
 - (b) a protein consisting of amino acid residues 2 to 182 of SEQ ID NO:114;
 - (c) a protein consisting of amino acid residues 32 to 182 of SEQ ID NO:114;
 - (d) a protein consisting of a portion of SEQ ID NO:114, wherein said portion comprises at least 30 contiguous amino acid residues of SEQ ID NO:114; and
 - (e) a protein consisting of a portion of SEQ ID NO:114, wherein said portion comprises at least 50 contiguous amino acid residues of SEQ ID NO:114.
26. (Previously Presented) The antibody or fragment thereof of claim 25 that specifically binds protein (a).
27. (Previously Presented) The antibody or fragment thereof of claim 25 that specifically binds protein (b).
28. (Previously Presented) The antibody or fragment thereof of claim 25 that specifically binds protein (c).
29. (Previously Presented) The antibody or fragment thereof of claim 25 that specifically binds protein (d).

30. (Previously Presented) The antibody or fragment thereof of claim 25 that specifically binds protein (e).
31. (Previously Presented) The antibody or fragment thereof of claim 26 that specifically binds protein (b).
32. (Previously Presented) The antibody or fragment thereof of claim 28 wherein said protein bound by said antibody or fragment thereof is glycosylated.
33. (Currently Amended) The antibody or fragment thereof of claim 28 which is human ~~a human antibody~~.
34. (Currently Amended) The antibody or fragment thereof of claim 28 which is polyclonal ~~a polyclonal antibody~~.
35. (Previously Presented) The antibody or fragment thereof of claim 28 which is selected from the group consisting of:
- (a) a chimeric antibody;
 - (b) a humanized antibody;
 - (c) a single chain antibody; and
 - (d) a Fab fragment.
36. (Currently Amended) ~~The~~ A labeled antibody or fragment thereof, wherein the antibody or fragment thereof of claim 28 ~~which~~ is labeled.
37. (Currently Amended) The labeled antibody or fragment thereof of claim 36 wherein the label is selected from the group consisting of:
- (a) an enzyme;
 - (b) a fluorescent label;
 - (c) a luminescent label; and
 - (d) a bioluminescent label.

38. (Previously Presented) The antibody or fragment thereof of claim 28 wherein said antibody or fragment thereof specifically binds to said protein in a Western blot.
39. (Previously Presented) The antibody or fragment thereof of claim 28 wherein said antibody or fragment thereof specifically binds to said protein in an ELISA.
40. (Previously Presented) An isolated cell that produces the antibody or fragment thereof of claim 28.
41. (Canceled).
42. (Withdrawn) A method of detecting HUVDJ43 protein in a biological sample comprising:
- (a) contacting the biological sample with the antibody or fragment thereof of claim 28; and
 - (b) detecting the HUVDJ43 protein in the biological sample.
43. (Withdrawn) The method of claim 42 wherein the antibody or fragment thereof is polyclonal ~~a polyclonal antibody~~.
- 44-49. (Canceled).
50. (Currently Amended) The antibody or fragment thereof of claim 44 which is monoclonal ~~a monoclonal antibody~~.
51. (Previously Presented) The antibody or fragment thereof of claim 44 which is selected from the group consisting of:
- (a) a chimeric antibody;
 - (b) a polyclonal antibody;
 - (c) a humanized antibody;
 - (d) a single chain antibody; and
 - (e) a Fab fragment.

52. (Currently Amended) An isolated monoclonal antibody or fragment thereof that specifically binds to a protein selected from the group consisting of:
- (a) a protein consisting of amino acid residues 1 to 182 of SEQ ID NO:114;
 - (b) a protein consisting of amino acid residues 2 to 182 of SEQ ID NO:114;
 - (c) a protein consisting of amino acid residues 32 to 182 of SEQ ID NO:114;
 - (d) a protein consisting of a portion of ~~SEQ ID NO:2~~ SEQ ID NO:114, wherein said portion comprises at least 30 contiguous amino acid residues of ~~SEQ ID NO:2~~ SEQ ID NO:114; and
 - (e) a protein consisting of a portion of ~~SEQ ID NO:2~~ SEQ ID NO:114, wherein said portion comprises at least 50 contiguous amino acid residues of ~~SEQ ID NO:2~~ SEQ ID NO:114.
53. (Previously Presented) The antibody or fragment thereof of claim 52 that specifically binds protein (a).
54. (Previously Presented) The antibody or fragment thereof of claim 52 that specifically binds protein (b).
55. (Previously Presented) The antibody or fragment thereof of claim 52 that specifically binds protein (c).
56. (Previously Presented) The antibody or fragment thereof of claim 52 that specifically binds protein (d).
57. (Previously Presented) The antibody or fragment thereof of claim 52 that specifically binds protein (e).
58. (Previously Presented) The antibody or fragment thereof of claim 53 that specifically binds protein (b).

59. (Previously Presented) The antibody or fragment thereof of claim 55 wherein said protein bound by said antibody or fragment thereof is glycosylated.
60. (Currently Amended) The antibody or fragment thereof of claim 55 which is human ~~a human antibody~~.
61. (Previously Presented) The antibody or fragment thereof of claim 55 which is selected from the group consisting of:
- (a) a chimeric antibody;
 - (b) a humanized antibody;
 - (c) a single chain antibody; and
 - (d) a Fab fragment.
62. (Currently Amended) ~~The~~ A labeled antibody or fragment thereof, wherein the antibody or fragment thereof of claim 55 ~~which~~ is labeled.
63. (Currently Amended) The labeled antibody or fragment thereof of claim 62 wherein the label is selected from the group consisting of:
- (a) an enzyme;
 - (b) a fluorescent label;
 - (c) a luminescent label; and
 - (d) a bioluminescent label.
64. (Previously Presented) The antibody or fragment thereof of claim 55 wherein said antibody or fragment thereof specifically binds to said protein in a Western blot.
65. (Previously Presented) The antibody or fragment thereof of claim 55 wherein said antibody or fragment thereof specifically binds to said protein in an ELISA.
66. (Previously Presented) An isolated cell that produces the antibody or fragment thereof of claim 55.

67. (Canceled).
68. (Withdrawn) A method of detecting HUVDJ43 protein in a biological sample comprising:
- (a) contacting the biological sample with the antibody or fragment thereof of claim 55; and
 - (b) detecting the HUVDJ43 protein in the biological sample.
69. (Currently Amended) An isolated antibody or fragment thereof that specifically binds to a protein selected from the group consisting of:
- (a) a protein consisting of the full-length HUVDJ43 polypeptide encoded by the cDNA contained in ATCC Deposit Number 203081;
 - (b) a protein consisting of the mature form of the HUVDJ43 polypeptide encoded by the cDNA contained in ATCC Deposit Number 203081;
 - (c) a protein consisting of a portion of the HUVDJ43 polypeptide encoded by the cDNA contained in ATCC Deposit Number 203081, wherein said portion comprises at least 30 contiguous amino acid residues of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 203081; and
 - (d) a protein consisting of a portion of the HUVDJ43 polypeptide encoded by the cDNA contained in ATCC Deposit Number 203081, wherein said portion comprises at least 50 contiguous amino acid residues of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 203081, wherein said HUVDJ43 polypeptide is at least 95% identical to SEQ ID NO:114.
70. (Previously Presented) The antibody or fragment thereof of claim 69 that specifically binds protein (a).
71. (Previously Presented) The antibody or fragment thereof of claim 69 that specifically binds protein (b).
72. (Previously Presented) The antibody or fragment thereof of claim 69 that specifically binds protein (c).

73. (Previously Presented) The antibody or fragment thereof of claim 69 that specifically binds protein (d).
74. (Previously Presented) The antibody or fragment thereof of claim 70 that specifically binds protein (b).
75. (Previously Presented) The antibody or fragment thereof of claim 71 wherein said protein bound by said antibody or fragment thereof is glycosylated.
76. (Currently Amended) The antibody or fragment thereof of claim 71 which is human ~~a human antibody~~.
77. (Currently Amended) The antibody or fragment thereof of claim 71 which is polyclonal ~~a polyclonal antibody~~.
78. (Previously Presented) The antibody or fragment thereof of claim 71 which is selected from the group consisting of:
- (a) a chimeric antibody;
 - (b) a humanized antibody;
 - (c) a single chain antibody; and
 - (d) a Fab fragment.
79. (Currently Amended) ~~The~~ A labeled antibody or fragment thereof, wherein the antibody or fragment thereof of claim 71 ~~which~~ is labeled.
80. (Currently Amended) The labeled antibody or fragment thereof of claim 79 wherein the label is selected from the group consisting of:
- (a) an enzyme;
 - (b) a fluorescent label;
 - (c) a luminescent label; and
 - (d) a bioluminescent label.

81. (Previously Presented) The antibody or fragment thereof of claim 71 wherein said antibody or fragment thereof specifically binds to said protein in a Western blot.
82. (Previously Presented) The antibody or fragment thereof of claim 71 wherein said antibody or fragment thereof specifically binds to said protein in an ELISA.
83. (Previously Presented) An isolated cell that produces the antibody or fragment thereof of claim 71.
84. (Canceled).
85. (Withdrawn) A method of detecting HUVDJ43 protein in a biological sample comprising:
- (a) contacting the biological sample with the antibody or fragment thereof of claim 71; and
 - (b) detecting the HUVDJ43 protein in the biological sample.
86. (Withdrawn) The method of claim 85 wherein the antibody or fragment thereof is polyclonal ~~a polyclonal antibody~~.
- 87-94. (Canceled).
95. (Currently Amended) An isolated monoclonal antibody or fragment thereof that specifically binds to a protein selected from the group consisting of:
- (a) a protein consisting of the full-length HUVDJ43 polypeptide encoded by the cDNA contained in ATCC Deposit Number 203081;
 - (b) a protein consisting of the mature form of the HUVDJ43 polypeptide encoded by the cDNA contained in ATCC Deposit Number 203081;
 - (c) a protein consisting of a portion of the HUVDJ43 polypeptide encoded by the cDNA contained in ATCC Deposit Number 203081, wherein said portion comprises at least 30 contiguous amino acid residues of

the polypeptide encoded by the cDNA contained in ATCC Deposit Number 203081; and

- (d) a protein consisting of a portion of the HUVDJ43 polypeptide encoded by the cDNA contained in ATCC Deposit Number 203081, wherein said portion comprises at least 50 contiguous amino acid residues of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 203081, wherein said HUVDJ43 polypeptide is at least 95% identical to SEQ ID NO:114.

96. (Previously Presented) The antibody or fragment thereof of claim 95 that specifically binds protein (a).
97. (Previously Presented) The antibody or fragment thereof of claim 95 that specifically binds protein (b).
98. (Previously Presented) The antibody or fragment thereof of claim 95 that specifically binds protein (c).
99. (Previously Presented) The antibody or fragment thereof of claim 95 that specifically binds protein (d).
100. (Previously Presented) The antibody or fragment thereof of claim 95 that specifically binds protein (e).
101. (Previously Presented) The antibody or fragment thereof of claim 95 that specifically binds protein (b).
102. (Previously Presented) The antibody or fragment thereof of claim 97 wherein said protein bound by said antibody or fragment thereof is glycosylated.
103. (Currently Amended) The antibody or fragment thereof of claim 97 which is human ~~a human antibody~~.

104. (Previously Presented) The antibody or fragment thereof of claim 97 which is selected from the group consisting of:
- (a) a chimeric antibody;
 - (b) a humanized antibody;
 - (c) a single chain antibody; and
 - (d) a Fab fragment.
105. (Currently Amended) ~~The~~ A labeled antibody or fragment thereof, wherein the antibody or fragment thereof of claim 97 ~~which~~ is labeled.
106. (Currently Amended) The labeled antibody or fragment thereof of claim 105 wherein the label is selected from the group consisting of:
- (a) an enzyme;
 - (b) a fluorescent label;
 - (c) a luminescent label; and
 - (d) a bioluminescent label.
107. (Previously Presented) The antibody or fragment thereof of claim 97 wherein said antibody or fragment thereof specifically binds to said protein in a Western blot.
108. (Previously Presented) The antibody or fragment thereof of claim 97 wherein said antibody or fragment thereof specifically binds to said protein in an ELISA.
109. (Previously Presented) An isolated cell that produces the antibody or fragment thereof of claim 97.
110. (Canceled).
111. (Withdrawn) A method of detecting HUVDJ43 protein in a biological sample comprising:
- (a) contacting the biological sample with the antibody or fragment thereof of claim 97; and

(b) detecting the HUVDJ43 protein in the biological sample.

112. (Currently Amended) An isolated antibody or fragment thereof that specifically binds a HUVDJ43 protein purified from a cell culture wherein said HUVDJ43 protein is encoded by a polynucleotide encoding amino acids 1 to 182 of ~~SEQ ID NO:2~~ SEQ ID NO:114 operably associated with a regulatory sequence that controls the expression of said polynucleotide.
113. (Currently Amended) The antibody or fragment thereof of claim 112 which is monoclonal ~~a monoclonal antibody~~.
114. (Currently Amended) The antibody or fragment thereof of claim 112 which is human ~~a human antibody~~.
115. (Previously Presented) The antibody or fragment thereof of claim 112 which is selected from the group consisting of:
- (a) a chimeric antibody;
 - (b) a polyclonal antibody;
 - (c) a humanized antibody;
 - (d) a single chain antibody; and
 - (e) a Fab fragment.
116. (Previously Presented) The antibody or fragment thereof of claim 112 wherein said antibody or fragment thereof specifically binds to said protein in a Western blot.
117. (Previously Presented) The antibody or fragment thereof of claim 112 wherein said antibody or fragment thereof specifically binds to said protein in an ELISA.